

Title (en)  
A CATALYST SYSTEM FOR ETHYLENE (CO)POLYMERIZATION

Title (de)  
KATALYSATORSYSTEM FÜR ETHYLEN-(CO)POLYMERISATION

Title (fr)  
SYSTEME CATALYSEUR POUR LA (CO)POLYMERISATION D'ETHYLENE

Publication  
**EP 1603670 A4 20120125 (EN)**

Application  
**EP 04707383 A 20040202**

Priority

- US 2004002897 W 20040202
- US 36555603 A 20030212

Abstract (en)  
[origin: US2004157726A1] Disclosed is a new titanium based catalyst system for (co)-polymerizing ethylene or ethylene with alpha-olefin having 3 to 10 carbons. The catalyst is obtained by contacting a magnesium halide support with an aluminum compound and with a titanium halide compound and then treating the resulting solid with a magnesium-amide complex. The catalyst system is suitable for producing ethylene polymer and co-polymer with narrow molecular weight distribution as well as improved branching compositional distribution.

IPC 8 full level  
**B01J 31/00** (2006.01); **B01J 37/00** (2006.01); **C08F 4/02** (2006.01); **C08F 4/60** (2006.01); **C08F 4/651** (2006.01); **C08F 4/655** (2006.01); **C08F 10/02** (2006.01); **C08F 110/02** (2006.01); **C08F 210/16** (2006.01)

CPC (source: EP US)  
**C08F 10/02** (2013.01 - EP US); **C08F 110/02** (2013.01 - EP US); **C08F 210/16** (2013.01 - EP US)

Citation (search report)

- [A] US 5438110 A 19950801 - ISHIMARU NAOSHI [JP], et al
- See references of WO 2004072121A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2004157726 A1 20040812**; **US 6841498 B2 20050111**; EP 1603670 A2 20051214; EP 1603670 A4 20120125; EP 1603670 B1 20140604; ES 2498372 T3 20140924; TW 200417553 A 20040916; TW I348472 B 20110911; WO 2004072121 A2 20040826; WO 2004072121 A3 20050113

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**US 36555603 A 20030212**; EP 04707383 A 20040202; ES 04707383 T 20040202; TW 93102786 A 20040206; US 2004002897 W 20040202